

NeuroTropes

No.6 RV.1
Medicine and Longevity
www.asmrstudio.com

Chelation in Metal Intoxication - From Gleevec to Generics

Chelating agents are capable of binding to metal ions, forming complex massive structures, like a wipe rag catching dirt, the metal is moved through the body. The premier chelating agents are so advanced they reach into bone marrow to draw out excess iron. Leukemia is now reversible with advanced medication called Gleevec and the prices continue to drop.



Fenugreek Seed *Trigonella foenum-graecum*

Antioxidant and antileukemic properties of selected fenugreek (*Trigonella foenum-graecum* L.) genotypes grown in western Canada Crude extracts of fenugreek derived with various solvents including methanol, ethanol, hexane, acetone, [ect] showed to be strong iron chelators [metal molecular bonders].
nrcresearchpress.com : tinyurl.com/y5hkyxyp

Fenugreek Seed Powder Nullified Aluminium Chloride Induced Memory Loss
journals.plos.org : tinyurl.com/yy9cnpcj

De-Coppering Drugs for Wilson disease. α -Lipoic Acid Wilson disease is treatable, primarily by copper-chelation therapy, which promotes copper excretion.
nature.com/articles/s41598-018-19873-2

Alpha Lipoic Acid (Thioctic Acid), Silymarin, and Selenium: Three Case Histories liver transplantation was avoided and the patients are back at work
ncbi.nlm.nih.gov/pubmed/10554539

Alpha-Lipoic Acid Attenuates Cerebral Ischemia and Reperfusion Injury (Animal 2015)
ncbi.nlm.nih.gov/pmc/articles/PMC4532939

Penicillamine (dimethyl cysteine) Metabolic Penicillin byproduct Chelates Copper
sciencedirect.com/topics/pharmacology-toxicology-and-pharmaceutical-science/penicillamine

Methionine the Natural Hydrogen and Oxygen Scavenger

Methionine is one to nine essential amino acids in humans (provided by food), Methionine is required for growth and tissue repair. A sulphur-containing amino acid, methionine improves the tone and pliability of skin, hair, and strengthens nails. Involved in many detoxifying processes, sulphur provided by methionine protects cells from pollutants, slows cell aging, and is essential for absorption and bioavailability of selenium and zinc. Methionine chelates heavy metals, such as lead and mercury, aiding their excretion. It also acts as a lipotropic agent and prevents excess fat buildup in the liver.
pubchem.ncbi.nlm.nih.gov/compound/Methionine

1815 - On the Oil of Turpentine in Epilepsy

Back then, Epilepsy probably meant everything from myoclonic jerks to somatic seizures and when people read medical information, they'll try anything. By 1915, absinthe had been banned in the United States and in much of Europe, including France, the Netherlands, Belgium, Switzerland, and Austria-Hungary
ncbi.nlm.nih.gov/pmc/articles/PMC5743341/

Van Gogh, Epilepsy, Weeds, Terpenes and Turpentine

When Van Gough died, he was found to have ingested turpentine. Terpenes are hydrocarbons as is Vitamin A, and along with carboxylic acid found present in terpenes, produce crystalline, colorless, aroma. Fortunately for Canadians Marijuana has terpenes without the need for turpentine.



Epileptic Neuroprotection by Melatonin

It is concluded that melatonin could be effective and safe for decreasing daytime seizure frequency in patients with intractable epilepsy. Effect of melatonin on seizure frequency
ncbi.nlm.nih.gov/pubmed/22378657

The Vitamin C Mystery

In 1957, biochemistries Albert Lehninger studied vitamin C biosynthesis in animals, and realized that, unlike many species, such as cats and dogs, which biosynthesize their own vitamin C supply, humans are unable to do so.
Nature.com : tinyurl.com/y33ps8dl

Ascorbic Acid dissolves Tar making it silky smooth and permeable through the carbon waste track. Vitamin C is BIG. Our inborn genetic deficiency adds barriers to our health. Mainly blocking vitamin C absorption into the lungs, brain, and skin. Tar build up happens on barbecue meats, through illegal drug injection, and smoking. Next time you wipe an air ionizer, use vitamin C ascorbic acid and feel it melt away silky smooth.



Liposomal Vitamin C and E Enriched Orange Juice with Soy Liposomes

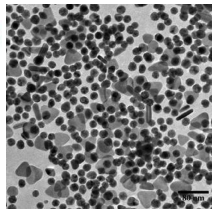
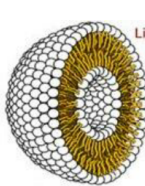
- We designed soy phosphatidylcholine-based liposomes transporters of vitamins E and C.
 - Incorporated vitamins E and C are heat-protected by lipids, maintaining its activity.
 - Lipid peroxidation increases with aggregation, but vitamins E and C remained active.
 - Vitamin encapsulation efficiency and protection depends on lipid composition.
 - Vitamin C encapsulation was highest in system with stearic acid after 72 h dialysis.
- sciencedirect.com/science/article/pii/S0963996911004650



Canola Lecithin Gains FDA Approval

Canola lecithin is a non-GMO option, may be used in organic products and does not have to be declared as a major food allergen in the US.
farmprogress.com : tinyurl.com/y3tsl3tk

Lecithin (phosphatidylcholine) is a precursor to choline. It is involved in acetylcholine neurotransmitter synthesis. Acetylcholine is the most abundant neurotransmitter in the mammalian central nervous system and choline is the fast access fat store the brain is made from.
sciencedirect.com : tinyurl.com/y679ps8z



Soy Lecithin Close Up in Electron Microscope 80 nanometers and 20

Liposomal Tek, Surpassing the Blood Brain Barrier

Directions: Combine Ingredients, Powder to Water First, Then Everything and Blend.
Ingredients: Two tablespoons ascorbic acid powder. Six tablespoons lecithin granules. Three cups distilled water. Ultrasonic cleaner. **Alternative ingredients (optional):** Alcohol preservative. You may also do without the ultrasonic cleaner and use a blender only, resulting in less lipid penetration, sour solution.
youtube.com/watch?v=7Dc7Ep10_HY

Ascorbic Acid into Liposomes Exhibits Increased Skin Permeation, Retention and Enhances Collagen Synthesis Formulation increased AA stability and effectiveness, for its application in skin ageing outcomes.
nature.com : tinyurl.com/y2yopq6h

Dietary Vitamin C intake protects against COPD (Korea National Survey 2012) 3,283 adults aged >40 years, 512 diagnosed as having COPD. A significant 76.7% reduction in chronic obstructive pulmonary disease (COPD) risk observed with high vitamin C intake.
ncbi.nlm.nih.gov/pmc/articles/PMC5098518/

THE GURU OF VITAMIN C : Linus Pauling : Peace and Chemistry Nobel Winner

A chemist who won the Nobel before he was awarded a high school diploma, Pauling is widely regarded as the grandfather to modern chemistry and orthomolecular biology. Yet he may be better known to most Americans as a peace activist -- and more recently as the key promoter to the newer vitamin industry.
washingtonpost.com : tinyurl.com/y6h7spqo

Cluster A (the "odd, eccentric" cluster); Paranoid, Schizoid, and Schizotypal Personality Disorders. **Cluster B** (the "dramatic, emotional, erratic" cluster); and. **Cluster C** (the "anxious, fearful" cluster) Avoidant, Dependent, and Obsessive-Compulsive Personality Disorders
DSM (American) WHO ICD (World Health)[Cluster B] Personality Disorders.

ICD-10 - IMPULSIVE TYPE [BPD] - Borderline (Historically Known as Emotional Disorder) Borderlines are prone to triggers, setting them into emotional imbalance. They are a suicide risk and found more prevalent in female populations. At least three must be present, one which must be (2):

1. marked tendency to act unexpectedly and without consideration for consequences;
2. marked tendency to engage in quarrelsome behavior and to have conflicts with others, especially when impulsive acts are thwarted or criticized;
3. liability to anger or violence, with inability to control the resulting behavioral explosions;
4. difficulty in maintaining any course that offers no immediate reward;
5. unstable and capricious (impulsive, whimsical) mood.

ICD-10 - BORDERLINE TYPE [BPD] - Borderline (Historically Known as Emotional Disorder)

At least three symptoms mentioned in ICD-10 Impulsive type must be present, with at least two in addition:

1. disturbances in and uncertainty about self-image, aims, and internal preferences;
2. liability to become involved in intense and unstable relationships, often leading to emotional crisis;
3. excessive efforts to avoid abandonment;
4. recurrent threats or self-harm;
5. chronic emptiness feelings;
6. demonstrates impulsive behavior, e.g., speeding in a car or substance abuse[83]

DSM IV HISTRIONIC PERSONALITY DISORDER (HPD) - Histrionic (Historically Known as Hysterical Personality Disorder) A pervasive pattern of excessive emotionality and attention-seeking, beginning by early adulthood and present in a variety of contexts, as indicated by five (or more) of the following:

1. is uncomfortable in situations in which he or she is not the attention center
2. interaction with others is often characterized by inappropriate sexually seductive or provocative behavior
3. displays rapidly shifting and shallow expression of emotions
4. consistently uses physical appearance to draw self attention
5. speech that is excessively impressionistic and lacking in detail
6. shows self-dramatization, theatricality, and exaggerated emotional expressions
7. is suggestible, i.e., easily influenced by others or circumstances
8. considers relationships to be more intimate than they actually are

DSM 5 - NARCISSISTIC PERSONALITY DISORDER [NPD] - Sociopathic (Historically Known as Megalomania) You've all seen American Psycho. Properly known as American Sociopath.

1. Markedly disharmonious attitudes and behavior, generally involving affectivity, arousal, impulse control, perceiving and thinking, and relating to others.
2. The abnormal behavior pattern is enduring, long standing, not limited to mental illness episodes and clearly maladaptive to personal and social situations.
3. The above manifestations always appear during childhood or adolescence and continue into adulthood.
4. The disorder leads to considerable personal distress but this may only become apparent late in its course.
5. Is usually, not invariably, associated with significant problems in occupational and social performance.
6. Feelings of self-importance, an excessive need for admiration, and a lack of empathy.
7. Narcissists often spend time thinking about achieving power or success, or about their appearance.
8. They often take advantage of the people around them.
9. Diagnosis is made by a healthcare professional interviewing the person in question.

ICD 10 - DISSOCIAL PERSONALITY DISORDER [ASPD] - Amoral, Antisocial, Asocial, Psychopathic, and Sociopathic personality. It is characterized by at least 3 of the following:

1. Callous unconcern for the feelings of others;
2. Gross and persistent attitude of irresponsibility and disregard for social norms, rules, and obligations;
3. Incapacity to maintain enduring relationships, though having no difficulty in establishing them;
4. Very low tolerance to frustration and a low threshold for discharge of aggression, including violence;
5. Incapacity to experience guilt or to profit from experience, particularly punishment;
6. Marked readiness to blame others or to offer plausible rationalizations for the behavior that has brought the person into conflict with society.



Serotonin Selective Reuptake Enhancers

Prozac is fluoride that targets the neurotransmitters responsible for our happiness. Gleemonex from Kids in the Hall is what brought zombieified transit commuters on serotonin drugs to the mainstream. SSRE's are a new drug class that concentrates free serotonin for maximum effectiveness.

Tianeptine Reduces Morphine Antinociceptive Tolerance and Physical Dependence.

(Mice 2010) The combination of tianeptine with morphine significantly reduced the development of morphine antinociceptive tolerance and suppressed the incidence of naloxone-precipitated withdrawal symptoms. We conclude that tianeptine is an effective inhibitor of morphine-induced antinociceptive tolerance and physical dependence in mice.
ncbi.nlm.nih.gov/pubmed/20679893

Banned in Michigan - Tianeptine - March 2018


https://www.healthline.com/health-news/controversy-over-antidepressant-tianeptine#1

Lithium Orotate - Not Your Father's Lithium
New and improved lithium that is available over the counter, has better blood brain barrier penetration and requires significantly less to achieve results. Regrows your brain thicker and fuller in as little as 4 weeks. Use sparingly.
en.wikipedia.org/wiki/Lithium_orotate

Lithium Suicide Prevention Effect : 20 Years Evidence
Compelling evidence provides strong support that lithium has a suicide protective effect in patients with mood disorders
ncbi.nlm.nih.gov/pmc/articles/PMC4504869

Lithium-Induced Gray Matter Volume Increase
Lithium re-grows brain grey matter in volume.
ncbi.nlm.nih.gov/pmc/articles/PMC3055479

Gray Matter Density in Lithium-Treated Patients
Gray matter density was significantly greater in bipolar patients relative to control subjects in diffuse cortical regions.
ncbi.nlm.nih.gov/pubmed/17240360



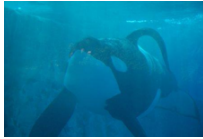
William Alexander Hammond (28 Aug 1828 – 5 Jan 1900)
American military physician and neurologist. American Civil War 11th Surgeon General to the United States Army. Lithium Proponent.

7up contained the compound lithium citrate, started selling two weeks before the stock market crashed in October 1929, the Great Depression.
huffingtonpost.ca:tinyurl.com/y36eqs2m

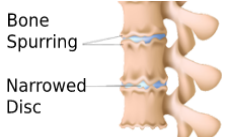
February 1949 the F.D.A. recalled lithium. Lithium carbonate and lithium chloride are salts. Ban remained until 1970.
lnhn.org:tinyurl.com/txly25d

Calcium and Calcium Supplements
Calcium supplements have proven to be useless in some but not all trials involving osteoporosis. Coconut supplements from oil sources partially beneficial. Traditionally calcium has been taken from mineral deposits leading to a 99% pure product after refining.

Virgin Coconut Oil Prevents Bone Loss in Osteoporosis (Animal 2012)
Virgin coconut oil (VCO) on bone microarchitecture in a postmenopausal osteoporosis.
ncbi.nlm.nih.gov/pmc/articles/PMC3457741



Fluoride Softens Bones
Orca whale in captivity diagnosed with collapsed dorsal fin. Fluoride softens calcium pinching spines



Calcium Supplements same Results as Placebo Calcium supplementation reduced the risk of all fractures and of minimal trauma fractures among healthy individuals. The benefit appeared to dissipate after treatment stopped.
ncbi.nlm.nih.gov/pmc/articles/PMC3773875

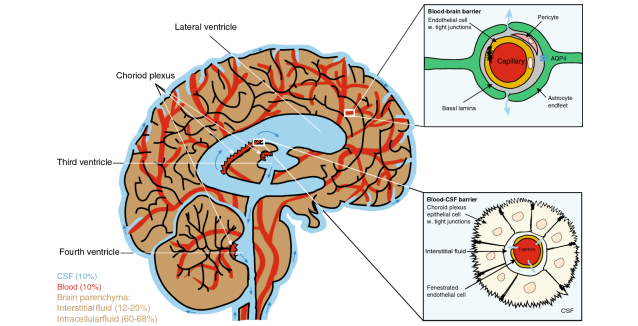
Calcium, Gamma-Linolenic Acid and Eicosapentaenoic Acid in Senile Osteoporosis
Sixty-five women (mean age 79.5), assigned to GLA+EPA or coconut oil placebo. Over the first 18 months, lumbar spine density remained the same in the treatment group, but decreased 3.2% in the placebo group. Femoral bone density increased 1.3% in the treatment group, but decreased 2.1% in the placebo group.
link.springer.com/article/10.1007/BF03339885

Hyperthymia and Humorism
Midævil sciences used visual diagnosis methodology to determine illness by patients emotional temperament. Chart below summarizes remaining pieces to a much larger craft.

Humor	Season	Ages	Element	Organ	Qualities	Temperament
Blood	spring	infancy	air	liver	moist and warm	sanguine
Yellow Bile	summer	youth	fire	gallbladder	warm and dry	choleric
Black Bile	autumn	adulthood	earth	spleen	dry and cold	melancholic
Phlegm	winter	old age	water	brain/lungs	Cold and moist	phlegmatic

Hyperthymia, generally is increased energy, vividness and enthusiasm for life activities as opposed to dysthymia. The thymus gland is the nervous system central organ. At optimal performance, symptoms may include : increased energy and **productivity**, short sleep patterns,
en.wikipedia.org/wiki/Humorism

Mercury Amalgam Silver Fillings
Image shows a mercury silver amalgam tooth that has been rubbed against a UV wavelength backdrop allowing one to see the nanoparticles cloud into smoke. The mercury substance is the most toxic non radioactive material known to man, while silver is renowned throughout history for it's superior electric and in the colloidal form is known to cure people from ailments, such as chronic fatigue and plaguing sickness. Colloidal Silver is also known to cause fatalities from chronic ingestion.



The Glymphatic Pathway in Neurological Disorders Glymphatic dysfunction has been shown in animal traumatic brain injury, Alzheimer's disease, and stroke models. Pathway CSF flow into the brain along arterial perivascular spaces and subsequently into the brain interstitium, by aquaporin 4 (AQP4) water channels.
ncbi.nlm.nih.gov/pubmed/30353860


The Ketogenic Diet - Epilepsy Diet
Fat fat and more fat. This diet is the only diet recommended by doctors for young children suffering from epilepsy. Liposomal compatible.
reddit.com/r/keto/


Melatonin, Marijuana and Seizures A tryptophan metabolism product, melatonin (MLT), N-acetyl-5-methoxytryptamine, is secreted from the pineal gland, marijuana enhances. Neuroprotective, prevents neuronal dopamine loss, has antioxidant properties and regenerates nerves. Marijuana indica varieties are known to reduce seizures through body relaxation, while skunk and sativa are known to increase visual perception and motivation. Marijuana is said to help melatonin secretion.
ncbi.nlm.nih.gov/pubmed/22074585


Ancient Warfares - Salt & Pepper / Gold / Beets and Sugar
Hippocrates knows all about the sacred disease. Written, "For the brain becomes more humid than natural, and is inundated with phlegm, so that the defluxions become more frequent, and the phlegm can no longer be the nor the brain be dried up, but it becomes wet and humid"
classics.mit.edu/Hippocrates/sacred.html


Einsteins Beets and Food Phobia The man died from a heart attack, natural causes, and was known to have a seizure disorder. He is also famous for sugar beets. Sugar beets are famous for war time disease. The first beet extraction factory in 1801. A particularly less than sweet vegetables.
abebooks.com:tinyurl.com/yyb24lm8

Ancient Rome (The Gold and Pepper Wars) pepper was so valuable that it was said to be worth it's weight in gold, and individual peppercorns were accepted as legal currency. Pepper is used in modern medicine as an antipsychotic.
sirspice.com:tinyurl.com/y5rqbkpj









Phlegmatic (brain/lungs)

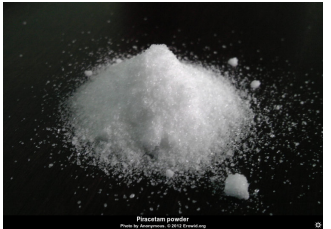
Choleric (Gallbladder)

Sanguine (Liver)

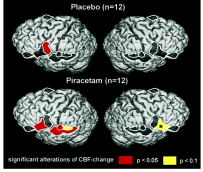
Melancholic (Spleen)



Piracetam - Nootropic - Researched and Studied over 40 yrs
Dr. Giurge, psychologist and chemist, PHD in medicine. Bucharest, Rochester, Louvain, St. Petersburg.
A hydrochloride invented by Dr Giurge and recognized in neuro rehabilitation. Sold over the counter. Great Britain and Japan prescribe for myoclonus. Packaged in energy drinks and longevity pills. Doses up to 12 grams a day produce clinically negligible side effects in senior populations. Therapeutic threshold as low as 1/2 gram daily. Less toxic than table salt.
clinicaltrials.gov/ct2/show/NCT00567060



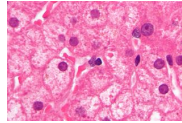
Bone Marrow Stem Cell Transplant with Piracetam (Animal 2011)
Piracetam group was significantly superior to bone mesenchymal stem cell (BMSC). transplantation group. BMSC transplantation combined with Piracetam has synergistic effects.
insights.ovid.com:tinyurl.com/y5j3jwkw



Piracetam Improves Cerebral Blood Flow and Facilitates Rehabilitation in Poststroke Aphasia (fMRI 2000)
12 patients received 2400 mg piracetam twice daily, 12 placebo. Blood flow was analyzed in 14 language activated brain regions. Piracetam group improved in 6 language functions, the placebo group only in 3 subtests.
ahajournals.org:tinyurl.com/y2zbl4dx

Piracetam in the Treatment of Acute and Chronic Aphasia (CLINICAL 1999)
"Significant Recovery" in 927 patient ischemic Acute Stroke, 12grams 4 weeks, in post acute and chronic, adjuvant to language therapy aphasia.
ncbi.nlm.nih.gov/pubmed/10338107

Piracetam Antiarrhythmic Action (ANIMAL 1990) It was found that a drug of the nootropic nature piracetam possessing pronounced antihypoxic properties eliminates calcium chloride-induced disturbances of the cardiac rhythm and significantly raises the threshold of atrial fibrillation during electrical stimulation.
ncbi.nlm.nih.gov/pubmed/2081561



Piracetam on neurons after long-term alcohol withdrawal (Animal 1991) Evidence indicates that chronic alcohol consumption induces morphological changes in the central nervous system (CNS) similar to aging including an increased formation of lipofuscin. Its reduction in piracetam-treated animals might be related either to a protective effect or as antioxidant.
ncbi.nlm.nih.gov/pubmed/1755517

(1999) Piracetam in the Treatment of Cortical Myoclonus 12 patients with progressive myoclonus epilepsy in whom the administration of up to 45 g piracetam daily, when added to existing anti-epileptic treatment, caused marked and sometimes spectacular improvement and was without significant adverse effects.
ncbi.nlm.nih.gov/pubmed/10338109

(2017) Piracetam for Tinnitus Piracetam helps in reducing tinnitus and sensorineural hearing loss. Treatment should continue as long as tinnitus persists
pdfs.semanticscholar.org/fe77/564c5fe7e0681a433ce3f37baa0d90d63ccc.pdf

Myoclonus is a hyperkinetic neurological movement disorder that may be generated at nervous systems from cortical, subcortical, segmental, and peripheral centers.

Centrophenoxine Chloride Similar Pharmacology as Piracetam

1966 Centrophenoxine on the Lipofuscin Pigments in the Senile Guinea Neurons
ncbi.nlm.nih.gov/pubmed/4380940



Experimental Gerontology Aug 1973 dimethylaminoethyl p-chlorophenoxyacetate (centrophenoxine) on life span increased the median (29.5%), mean (27.3%) and maximum (39.7%) survival time with Swiss Webster Albino mice.
sciencedirect.com:tinyurl.com/yxogb7z9

Would you like to know more? www.asmrstudio.com DrDoubleDragon@gmail.com